Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions

BT. Emission Units #'s S2.056 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

BT. System 72 -	Carbon Regeneration Kiln #1 (Zadra) (System 72 in AP1041-0793 and System 10 in AP1041-2219)
S2.056	Carbon Regeneration Kiln (500-DC-014) (TU4.027)

1. Operating Requirements (NAC 445B.3365.3)

a. Emission Limits NAC 445B.305
On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **S2.056** the following pollutants in excess of the following specified limits:
(1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

2. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)

a. Monitoring and Recordkeeping NAC 445B.3365
On and after the date of startup of **S2.056**, Permittee will maintain records and required in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

b. Test Methods and Procedures NAC 445B.3365.3
The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.056**.

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

BU. Emission Units #'s S2.058 location North 4514.9 km, East 568.5 km, UTM (Zone 11)

BU. System 73 -	Carbon Regeneration Kiln #2 (AARL) (System 73 in AP1041-0793 and System 11 in AP1041-2219)
S2.058	Carbon Regeneration Kiln (2550-DC-03) (TU4.028)

1. Operating Requirements (NAC 445B.3365.3)

a. Emission Limits NAC 445B.305
On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **S2.058** the following pollutants in excess of the following specified limits:
(1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

2. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)

a. Monitoring and Recordkeeping NAC 445B.3365
On and after the date of startup of **S2.058**, Permittee will maintain records and required in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

b. Test Methods and Procedures NAC 445B.3365.3
The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.058**.

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

BY. Emission Units #'s S2.041 – S2.046 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

BY. System 77 -	Refinery Mercury Retort Circuit (System 77 in AP1041-0793 and System 08 in AP1041-2219)
S2.041	Mercury Retort Furnace (500-FC-10) (TU4.018)
S2.042	Mercury Retort Furnace (500-FC-11) (TU4.019)
S2.043	Mercury Retort Furnace (500-FC-12) (TU4.020)
S2.044	Mercury Retort Furnace (500-FC-13) (TU4.021)
S2.045	Mercury Retort Furnace (500-FC-14) (TU4.022)
S2.046	Mercury Retort Furnace (500-FC-15) (TU4.023)

1. Operating Requirements NAC 445B.3365.3

a. Emission Limits NAC 445B.305

On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **S2.041 through S2.046** the following pollutants in excess of the following specified limits:

(1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

2. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)

a. Monitoring and Recordkeeping NAC 445B.3365

On and after the date of startup of **S2.041 through S2.046**, Permittee will maintain records and required in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

b. Test Methods and Procedures NAC 445B.3365.3

The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.041 through S2.046**.

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

BZ. Emission Units #'s S2.047 – S2.049 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

BZ. System 78 -	Electric Refinery Induction Furnaces (System 78 in AP1041-0793 and System 09 in AP1041-2219)
S2.047	Electric Induction Furnace (700-FC-16) (TU4.024)
S2.048	Electric Induction Furnace (500-FC-17) (TU4.025)
S2.049	Electric Induction Furnace (500-FC-05) (TU4.026)

1. **Operating Requirements NAC 445B.3365.3**
   a. Emission Limits NAC 445B.305
   On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **S2.047 through S2.049** the following pollutants in excess of the following specified limits:
   (1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

2. **Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)**
   a. Monitoring and Recordkeeping NAC 445B.3365
   On and after the date of startup of **S2.047 through S2.049**, Permittee will maintain records and required in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

   b. Test Methods and Procedures NAC 445B.3365.3
   The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.047 through S2.049**.

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CP. Emission Unit #'s S2.225 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

CP. System 94 -	Refinery Mercury Retort Circuit (New, System 12 in AP1041-2219)
S2.225	Mercury Retort Furnace (510-FC-100) (TU4.029)

1. **Air Pollution Equipment**
Exhaust gas from **S2.225** shall be ducted to a control system, with 100% capture, consisting of the following control devices in series, listed in the order of placement in the exhaust system:
   a. **Mercury Condenser (MC-001)**, manufactured by Lochhead – Haggerty, (operation in series with MC-002).
   b. **Mercury Condenser (MC-002)**, manufactured by Lochhead – Haggerty, (operation in series with MC-001).
   c **Chiller**, manufactured by Carrier.
   d. **Condensation Vessel (CV-001)**, manufactured by Lochhead – Haggerty.
   e. **After Cooler with Mist Eliminator (AC-001)**, manufactured by Lochhead – Haggerty.
   f. **Carbon Filter Column with Sulfur-Impregnated Carbon (CF-006)**, manufactured by Lochhead – Haggerty, (operation in parallel with CF-007).
   g. **Carbon Filter Column with Sulfur-Impregnated Carbon (CF-007)**, manufactured by Lochhead – Haggerty, (operation in parallel with CF-006).

   Descriptive Stack Parameters for **CF-006 and CF-007**
   Stack Height (ft): 32 (horizontal discharge)
   Stack Diameter (ft): 0.17
   Max Stack Temperature (^{O}F): 125°
   Exhaust Flow (DSCFM): 31.2

2. **Construction Requirements**
Notification and Recordkeeping (NAC 445B.250, NAC 445B.346.2)
The Permittee shall provide the Director the following:
   a. A notification of the date construction of **S2.225** is commenced, postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (NAC 445B.250.1)
   b. A notification of the anticipated date of initial startup of **S2.225**, postmarked not more than 60 days nor less than 30 days prior to such date (NAC 445B.250.2).
   c. A notification of the actual date of initial startup of **S2.225**, postmarked within 15 days after such date (NAC 445B.250.3).

3. **Operating Requirements NAC 445B.3365.3**
   a. Emission Limits NAC 445B.305
   On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the final exhaust stack of **S2.225** the following pollutants in excess of the following specified limits:
      (1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).
      (2) The discharge of PM to the atmosphere will not exceed 0.0015 pound per hour, nor more than 0.066 ton per year.
      (3) The discharge of PM_{10} to the atmosphere will not exceed 0.0015 pound per hour, nor more than 0.066 ton per year.
      (4) The opacity from the final exhaust stack of **S2.225** will not equal or exceed 20 percent in accordance with NAC 445B.22017.

   b. Operating Parameters NAC 445B.305
      (1) The maximum allowable throughput rate of precious metal laden material processed in **S2.225** shall not exceed 1.65 tons per batch nor more than 602.25 tons per year.
      (2) Hours
      S2.225 may operate up to 8,760 hours per calendar year.

4. **Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)**
   a. Monitoring and Recordkeeping NAC 445B.3365
   On and after the date of startup of **S2.225**, Permittee will maintain in a contemporaneous log, the following monitoring and recordkeeping:
      (1) The Calendar date of any required monitoring and recordkeeping
      (2) Monitor and record the batch weight, in tons, of precious metal laden material for **S2.225** on a daily basis.
      (3) Monitor and record the hours of operation for **S2.225** on a daily basis.
      (4) All monitoring required by Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CP. Emission Units #'s S2.225 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

4. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405) (continued)

b. Test Methods and Procedures (NAC 445B.3365.3)

(1) The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.225**.

(2) Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(3) The owner of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures (NAC 445B.252.4).

(4) Permittee shall comply with the requirements of Section I.Q.3. through I.Q.8. and I.R.3. through I.R.8. of this operating permit for all performance testing.

5. Reporting NAC 445B.3365

Within 60 days after completing the performance tests specified in Section VI of this OPTC, the Permittee shall furnish the Director a written report of the results of the performance tests. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3497 (NAC 445B.252.8).

6. Application for Part 70 Air Quality Operating Permit

If you (Permittee) own or operate a source subject to 40 CFR Part 63, Subpart EEEEEEE, you must have or must obtain a permit under 40 CFR Part 70 (40 CFR 63.11640(d)).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CQ. Emission Unit #'s S2.226 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

CQ. System 95 -	Refinery Mercury Retort Circuit (New, System 13 in AP1041-2219)
S2.226	Mercury Retort Furnace (510-FC-200) (TU4.030)

1. **Air Pollution Equipment**
Exhaust gas from **S2.226** shall be ducted to a control system, with 100% capture, consisting of the following control devices in series, listed in the order of placement in the exhaust system:
   a. **Mercury Condenser (MC-003)**, manufactured by Lochhead – Haggerty, (operation in series with MC-004).
   b. **Mercury Condenser (MC-004)**, manufactured by Lochhead – Haggerty, (operation in series with MC-003).
   c **Chiller**, manufactured by Carrier.
   d. **Condensation Vessel (CV-002)**, manufactured by Lochhead – Haggerty.
   e. **After Cooler with Mist Eliminator (AC-002)**, manufactured by Lochhead – Haggerty.
   f. **Carbon Filter Column with Sulfur-Impregnated Carbon (CF-008)**, manufactured by Lochhead – Haggerty, (operation in parallel with CF-009).
   g. **Carbon Filter Column with Sulfur-Impregnated Carbon (CF-009)**, manufactured by Lochhead – Haggerty, (operation in parallel with CF-008).

   Descriptive Stack Parameters for **CF-008 and CF-009**
   Stack Height (ft): 32 (horizontal discharge)
   Stack Diameter (ft): 0.17
   Max Stack Temperature (^{O}F): 125°
   Exhaust Flow (DSCFM): 31.2

2. **Construction Requirements**
Notification and Recordkeeping (NAC 445B.250, NAC 445B.346.2)
The Permittee shall provide the Director the following:
   a. A notification of the date construction of **S2.226** is commenced, postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (NAC 445B.250.1)
   b. A notification of the anticipated date of initial startup of **S2.226**, postmarked not more than 60 days nor less than 30 days prior to such date (NAC 445B.250.2).
   c. A notification of the actual date of initial startup of **S2.226**, postmarked within 15 days after such date (NAC 445B.250.3).

3. **Operating Requirements NAC 445B.3365.3**
   a. Emission Limits NAC 445B.305
   On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the final exhaust stack of **S2.226** the following pollutants in excess of the following specified limits:
      (1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).
      (2) The discharge of PM to the atmosphere will not exceed 0.0015 pound per hour, nor more than 0.066 ton per year.
      (3) The discharge of PM_{10} to the atmosphere will not exceed 0.0015 pound per hour, nor more than 0.066 ton per year.
      (4) The opacity from the final exhaust stack of **S2.226** will not equal or exceed 20 percent in accordance with NAC 445B.22017.

   b. Operating Parameters NAC 445B.305
      (1) The maximum allowable throughput rate of precious metal laden material processed in **S2.226** shall not exceed 1.65 tons per batch nor more than 602.25 tons per year.
      (2) Hours
      S2.226 may operate up to 8,760 hours per calendar year.

4. **Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)**
   a. Monitoring and Recordkeeping NAC 445B.3365
   On and after the date of startup of **S2.226**, Permittee will maintain in a contemporaneous log, the following monitoring and recordkeeping:
      (1) The Calendar date of any required monitoring and recordkeeping
      (2) Monitor and record the batch weight, in tons, of precious metal laden material for **S2.226** on a daily basis.
      (3) Monitor and record the hours of operation for **S2.226** on a daily basis.
      (4) All monitoring required by Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CQ. Emission Unit #'s S2.226 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

4. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405) (continued)

b. Test Methods and Procedures (NAC 445B.3365.3)

(1) The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.226**.

(2) Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(3) The owner of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures (NAC 445B.252.4).

(4) Permittee shall comply with the requirements of Section I.Q.3. through I.Q.8. and I.R.3. through I.R.8. of this operating permit for all performance testing.

5. Reporting NAC 445B.3365

Within 60 days after completing the performance tests specified in Section VI of this OPTC, the Permittee shall furnish the Director a written report of the results of the performance tests. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3497 (NAC 445B.252.8).

6. Application for Part 70 Air Quality Operating Permit

If you (Permittee) own or operate a source subject to 40 CFR Part 63, Subpart EEEEEEE, you must have or must obtain a permit under 40 CFR Part 70 (40 CFR 63.11640(d)).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CR. Emission Unit #'s S2.227 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

CR. System 96 -	Refinery Mercury Retort Circuit (New, System 14 in AP1041-2219)
S2.227	Mercury Retort Furnace (510-FC-300) (TU4.031)

1. **Air Pollution Equipment**
Exhaust gas from **S2.227** shall be ducted to a control system, with 100% capture, consisting of the following control devices in series, listed in the order of placement in the exhaust system:
   a. **Mercury Condenser (MC-005)**, manufactured by Lochhead – Haggerty, (operation in series with MC-006).
   b. **Mercury Condenser (MC-006)**, manufactured by Lochhead – Haggerty, (operation in series with MC-005).
   c **Chiller**, manufactured by Carrier.
   d. **Condensation Vessel (CV-003)**, manufactured by Lochhead – Haggerty.
   e. **After Cooler with Mist Eliminator (AC-003)**, manufactured by Lochhead – Haggerty.
   f. **Carbon Filter Column with Sulfur-Impregnated Carbon (CF-0010)**, manufactured by Lochhead – Haggerty, (operation in parallel with CF-011).
   g. **Carbon Filter Column with Sulfur-Impregnated Carbon (CF-011)**, manufactured by Lochhead – Haggerty, (operation in parallel with CF-010).

Descriptive Stack Parameters for **CF-010 and CF-011**
Stack Height (ft): 32 (horizontal discharge)
Stack Diameter (ft): 0.17
Max Stack Temperature (^{O}F): 125°
Exhaust Flow (DSCFM): 31.2

2. **Construction Requirements**
Notification and Recordkeeping (NAC 445B.250, NAC 445B.346.2)
The Permittee shall provide the Director the following:
   a. A notification of the date construction of **S2.227** is commenced, postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (NAC 445B.250.1)
   b. A notification of the anticipated date of initial startup of **S2.227**, postmarked not more than 60 days nor less than 30 days prior to such date (NAC 445B.250.2).
   c. A notification of the actual date of initial startup of **S2.227**, postmarked within 15 days after such date (NAC 445B.250.3).

3. **Operating Requirements NAC 445B.3365.3**
   a. Emission Limits NAC 445B.305
   On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the final exhaust stack of **S2.227** the following pollutants in excess of the following specified limits:
      (1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).
      (2) The discharge of PM to the atmosphere will not exceed 0.0015 pound per hour, nor more than 0.066 ton per year.
      (3) The discharge of PM_{10} to the atmosphere will not exceed 0.0015 pound per hour, nor more than 0.066 ton per year.
      (4) The opacity from the final exhaust stack of **S2.227** will not equal or exceed 20 percent in accordance with NAC 445B.22017.

   b. Operating Parameters NAC 445B.305
      (1) The maximum allowable throughput rate of precious metal laden material processed in **S2.227** shall not exceed 1.65 tons per batch nor more than 602.25 tons per year.
      (2) Hours
      S2.227 may operate up to 8,760 hours per calendar year.

4. **Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)**
   a. Monitoring and Recordkeeping NAC 445B.3365
   On and after the date of startup of **S2.227**, Permittee will maintain in a contemporaneous log, the following monitoring and recordkeeping:
      (1) The Calendar date of any required monitoring and recordkeeping
      (2) Monitor and record the batch weight, in tons, of precious metal laden material for **S2.227** on a daily basis.
      (3) Monitor and record the hours of operation for **S2.227** on a daily basis.
      (4) All monitoring required by Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CR. Emission Unit #'s S2.227 location North 4514.8 km, East 568.6 km, UTM (Zone 11)

4. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405) (continued)

b. Test Methods and Procedures (NAC 445B.3365.3)

(1) The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.227**.

(2) Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(3) The owner of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures (NAC 445B.252.4).

(4) Permittee shall comply with the requirements of Section I.Q.3. through I.Q.8. and I.R.3. through I.R.8. of this operating permit for all performance testing.

5. Reporting NAC 445B.3365

Within 60 days after completing the performance tests specified in Section VI of this OPTC, the Permittee shall furnish the Director a written report of the results of the performance tests. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 to 445B.3497 (NAC 445B.252.8).

6. Application for Part 70 Air Quality Operating Permit

If you (Permittee) own or operate a source subject to 40 CFR Part 63, Subpart EEEEEEE, you must have or must obtain a permit under 40 CFR Part 70 (40 CFR 63.11640(d)).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CS. Emission Units #'s S2.228 – S2.229 location North 4,514,900 m East 568,500 m, UTM (Zone 11)

CS. System 97 -	Carbon Stripping Circuit (System 06 in AP1041-2219)
S2.228	Pregnant Tank (TU4.014)
S2.229	Pregnant Tank (TU4.015)

1. **Air Pollution Equipment**
Exhaust gas from **S2.228 through S2.229** shall be ducted to a control system, with 100% capture, **c**onsisting of a Sulfur-impregnated Carbon Filter Pack (CF-004) (*Farr*).

Descriptive Stack Parameters for CF-004
Stack Height (ft): 25 (Horizontal Discharge)
Stack Diameter (ft): 0.5
Stack Temperature (^{O}F): 140°
Exhaust Flow (DSCFM): 300

2. **Operating Requirements** NAC 445B.3365.3
   a. Emission Limits (NAC 445B.305)
   On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **S2.228 through S2.229** the following pollutants in excess of the following specified limits:
      (1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).
      (2) The opacity from the exhaust stack of **S2.228 through S2.229** will not equal or exceed 20 percent in accordance with NAC 445B.22017.

3. **Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)**
   a. Monitoring and Recordkeeping NAC 445B.3365
   On and after the date of startup of **S2.228 through S2.229**, Permittee will maintain records and required in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

   b. Test Methods and Procedures NAC 445B.3365.3
   The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.228 through S2.229**.

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section V. Specific Operating Conditions (continued)

CT. Emission Unit # S2.230 location North 4,514,800 m East 568,800 m, UTM (Zone 11)

CT. System 98 -	Electrowinning Cells (IA1.009 in AP1041-0793 and System 07 in AP1041-2219)
S2.230	Electrowinning Cells (TU4.017)

1. Air Pollution Equipment

Exhaust gas from **S2.230** shall be ducted to a control system, with 100% capture, consisting of the following control devices in series, listed in the order of placement in the exhaust system:

a. Wet Scrubber (WS-001) (*Tri-mer)*.
b. Sulfur-impregnated Carbon Filter Packs (CF-001) (*Farr*).

Descriptive Stack Parameters for CF-001
Stack Height (ft): 38
Stack Diameter (ft): 1.17
Stack Temperature (^{O}F): 76°
Exhaust Flow (DSCFM): 8,000

2. Operating Requirements NAC 445B.3365.3

a. Emission Limits (NAC 445B.305)

On and after the date of startup, the Permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of **S2.230** the following pollutants in excess of the following specified limits:

(1) The discharge of mercury (Hg) to the atmosphere will not exceed the limits specified in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

(2) The opacity from the exhaust stack of **S2.230** will not equal or exceed 20 percent in accordance with NAC 445B.22017.

3. Monitoring, Record keeping and Compliance Testing (NAC 445B.3405)

a. Monitoring and Recordkeeping NAC 445B.3365

On and after the date of startup of **S2.230**, Permittee will maintain records and required in Section VI of this Operating Permit-to-Construct (OPTC), and in accordance with the applicable requirements of 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.).

b. Test Methods and Procedures NAC 445B.3365.3

The Permittee shall demonstrate compliance with the emission limits established in 40 CFR Part 63, Subpart EEEEEEE for the *Gold Mine Ore Processing and Production Area Source Category* for carbon processes with retorts (40 CFR 63.11640 et. seq.) by conducting performance tests, as specified in Section VI.A.4 of this OPTC, on the exhaust stack of **S2.230**.

**************End of Specific Operating Conditions****************

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VI. Mercury Emission Standards

A. NESHAP for the Gold Mine Ore Processing and Production Area Source Category – 40 CFR Part 63, Subpart EEEEEEE (40 CFR 63.11640 et. seq.) – Carbon Processes with Retorts

1. Affected Source – Carbon Processes with Retorts (40 CFR 63.11640)
The following process units define the existing affected source for carbon processes with retorts. Permittee must submit a complete permit application under 40 CFR Part 70 or 71 on or before February 17, 2014.

Table VI - 1	
40 CFR Part 63, Subpart EEEEEEE Affected Source - Carbon Processes with Retorts	
Process Unit Description	Applicable Control Device
S2.056 Carbon Regeneration Kiln #1	Sulfur-impregnated Carbon Filter (CF-002)
S2.058 Carbon Regeneration Kiln #2	Sulfur-impregnated Carbon Filter (CF-003)
S2.041 - S2.046 - Refinery Mercury Retort Furnaces	Sulfur Impregnated Carbon Filter (500-DC-010)
S2.047 - S2.049 - Electric Refinery Induction Furnaces	Sulfur Impregnated Carbon Filter (500-DC-012)
S2.225 - Refinery Mercury Retort Furnace	Sulfur Impregnated Carbon Filters (CF-006 and CF-007)
S2.226- Refinery Mercury Retort Furnace	Sulfur Impregnated Carbon Filters (CF-008 and CF-009)
S2.227 - Refinery Mercury Retort Furnace	Sulfur Impregnated Carbon Filters (CF-010 and CF-011)
S2.228 - S2.229 - Carbon Stripping Circuit	Sulfur-impregnated Carbon Filter (CF-004)
S2.230 - Electrowinning Cells	Sulfur-impregnated Carbon Filter (CF-001)

2. Compliance Dates (40 CFR 63.11641)
Permittee must comply with the provisions of Subpart EEEEEEE for the existing affected source listed in **Table VI-1** of this section no later than February 17, 2014.

3. Mercury Emission Standards (40 CFR 63.11645)
Permittee will not discharge or cause to be discharged from the assemblage of process units listed in **Table VI-1** of this section, combined mercury emissions in excess of the following limit for the affected source:

   a. For existing carbon processes with mercury retorts, Permittee must emit no more than 2.2 pounds of mercury per ton of concentrate (precious metal concentrate) processed (40 CFR 63.11645(b)).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VI. Mercury Emission Standards (continued)

A. NESHAP for the Gold Mine Ore Processing and Production Area Source Category – 40 CFR Part 63, Subpart EEEEEEE (40 CFR 63.11640 et. seq.) – Carbon Processes with Retorts (continued)

4. Compliance Tests (40 CFR 63.11646, NAC 445B.3365.3.(b))
   a. Permittee must conduct a mercury compliance test within 180 days of the compliance date for all process units at new affected sources. This compliance testing must be repeated annually, with no two consecutive annual compliance tests occurring less than 3 months apart or more than 15 months apart (40 CFR 63.11646(a)). Permittee must determine the concentration of mercury and the volumetric flow rate of the stack gas from the emission units listed in **Table VI-1** according to the following test methods and procedures (40 CFR 63.11646(a)(1)):
      (1) Method 1 or 1A (40 CFR Part 60, Appendix A-1) to select sampling port locations and the number of traverse points in each stack or duct. Sampling sites must be located at the outlet of the control device (or at the outlet of the emissions source if no control device is present) and prior to any releases to the atmosphere.
      (2) Method 2, 2A, 2C, 2D, 2F (40 CFR Part 60, Appendix A-1), or Method 2G (40 CFR Part 60, Appendix A-2) to determine the volumetric flow rate of the stack gas.
      (3) Method 3, 3A, or 3B (40 CFR Part 60, Appendix A-2) to determine the dry molecular weight of the stack gas. The Permittee may use ANSI/ASME PTC 19.10, "Flue and Exhaust Gas Analyses." (IBR – see 40 CFR 63.14) as an alternative to Method 3B.
      (4) Method 4 (40 CFR Part 60, Appendix A-3) to determine the moisture content of the stack gas.
      (5) Method 29 (40 CFR Part 60, Appendix A-8) to determine the concentration of mercury.
      (6) A minimum of three test runs must be conducted for each performance test of each process unit. Each test run conducted with Method 29 must follow the sampling requirements in 40 CFR 63.11646(a)(2). If the emissions testing results for any of the emission points yields a non-detect value, then the minimum detection limit (MDL) must be used to calculate the mass emission rates (lb/hr) used to calculate the emission factor (lb/ton) for that emission point and, in turn, for calculating the sum of the emissions (in units of pounds of mercury per ton of concentrate) for all emission points subject to the emission standard for determining compliance. If the resulting mercury emissions are greater than the MACT emission standard, the owner or operator may use procedures that produce lower MDL results and repeat the mercury emissions testing one additional time for any emission point for which the measured result was below the MDL. If this additional testing is performed, the results from that testing must be used to determine compliance (40 CFR 63.11646(a)(2)).
      (7) Performance tests shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance of the affected source for the period being tested. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests. Performance tests must be conducted under operating conditions (including process or production throughputs) that are based on representative performance. Record and report to the NBAPC the process throughput for each test run. For sources with multiple emission units ducted to a common control device and stack, compliance testing must be performed either by conducting a single compliance test with all affected emissions units in operation or by conducting a separate compliance test on each emission unit. Alternatively, the Permittee may request approval from the NBAPC for an alternative testing approach. If the units are tested separately, any emissions unit that is not tested initially must be tested as soon as is practicable. If the performance test is conducted when all affected units are operating, then the number of hours of operation used for calculating emissions must be the total number of hours for the unit that has the greatest total operating hours for that period of time, or based on an appropriate alternative method approved by the NBAPC to account for the hours of operation for each separate unit in these calculations (40 CFR 63.11646(a)(3)).
      (8) Permittee will calculate the mercury emission rate (lb/hr), based on the average of 3 test run values, for the emission units in Table VI-1 (or combination of units that are ducted to a common stack and are tested when all affected sources are operating) using the following equation (40 CFR 60.11646(a)(4)):

$$E = C_S * Q_S * K \qquad \text{Equation 1}$$

Where, E = Mercury emissions in lb/hr;
C_S = Concentration of mercury in the stack gas, in grains per dry standard cubic foot (gr/DSCF);
Q_S = Volumetric flow rate of the stack gas, in dry standard cubic feet per hour (DSCFH);
K = Conversion factor for grains (gr) to pounds (lb), 1.43×10^{-4}.

      (9) Permittee will monitor and record the gas stream temperature (in ^{O}F) to the inlet of the carbon adsorber control for each of the process units in **Table VI-1**, during each test run (NAC 445B.3365.3(b)).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VI. Mercury Emission Standards (continued)

A. NESHAP for the Gold Mine Ore Processing and Production Area Source Category – 40 CFR Part 63, Subpart EEEEEEE (40 CFR 63.11640 et. seq.) – Carbon Processes with Retorts (continued)

5. Initial Compliance Determination 40 CFR 63.11646(a)(12)
   Permittee will calculate the emissions from the existing affected source for the sum of all full months between the compliance date and the date of the initial compliance test in pounds of mercury per ton process input (concentrate processed) using the procedure specified in 5.a. below to determine initial compliance with the mercury emission standard in A.3.a. of this section. This must include at least 1 full month of data. After this initial compliance test period, determine annual compliance in accordance with A.6. of this section.
   a. For carbon processes with mercury retorts, divide the sum of mercury mass emissions (in pounds), as determined pursuant to A.7.b. of this section, from all carbon kilns, preg tanks, electrowinning, mercury retorts, and melt furnaces during the initial number of full months between the compliance date and the initial compliance tests, by the total amount of concentrate (in tons) processed in these process units, and as determined pursuant to A.8. of this section, during those same full months following the compliance date. If a previous test is used to determine initial compliance, then the same 3 to 12 full months of production data (i.e. tons of concentrate) and hours of operation must be used to determine the emissions in pounds of mercury per ton of concentrate (40 CFR 63.11646(a)(12)(ii)).

6. Annual Compliance Determination 40 CFR 63.11646(a)(13)
   After the initial compliance test, Permittee will calculate the emissions from the existing affected source for each 12-month period preceding each subsequent compliance test in pounds of mercury per ton of process input (concentrate processed), using the procedure specified in 6.a. below, to determine compliance with the mercury emission standard in A.3.a. of this section.
   a. For carbon processes with mercury retorts, divide the sum of mercury mass emissions (in pounds) from all carbon kilns, preg tanks, electrowinning, mercury retorts, and melt furnaces in the 12-month period preceding a compliance test by the total amount of concentrate (in tons) processed in these process units in that 12-month period (40 CFR 63.11646(a)(13)(ii)).

7. Determination of Total Mercury Emissions (40 CFR 63.11646)
   a. Permittee will monitor and record the number of one-hour periods each process unit in **Table VI-1** operated during each month (40 CFR 63.11646(a)(5)).
   b. For the initial compliance determination for the existing affected source, Permittee will determine the total mercury emissions for all the full calendar months between the compliance date and the date of the initial compliance test by multiplying the emission rate in lb/hr for the process units in **Table VI-1**, each, (or combination of units ducted to a common stack that are tested together) by the number of one-hour periods the process units in **Table VI-1**, each, operated during those full calendar months prior to the initial compliance test. This initial period must include at least 1 full month of operations. After the initial compliance test, for subsequent compliance tests, determine the mercury mass emissions for the 12 full calendar months prior to the compliance test in accordance with the procedures in 7.c. below. Existing sources may use a previous emission test for their initial compliance determination in lieu of conducting a new test if the test was conducted within one year of the compliance date using the methods specified in A.4.a. through A.4.d. of this section, and the tests were representative of current operating processes and conditions. If a previous test is used for their initial compliance determination, 3 to 12 full months of data on hours of operation and production (tons of concentrate), including the month the test was conducted, must be used to calculate the emissions rate (in units of pounds of mercury per ton of concentrate)(40 CFR 63.11646(a)(6)).
   c. For compliance determinations following the initial compliance test for the new affected source, Permittee will determine the total mercury mass emissions for each process unit for the 12 full calendar months preceding the performance test by multiplying the emission rate in lb/hr for each process unit (or combination of units ducted to a common stack that are tested together) by the number of one-hour periods each process unit (or the unit that had the greatest total operating hours among the combination of multiple units with one stack that are tested together, or an alternative method approved by the NBAPC) operated during the 12 full calendar months preceding the completion of the performance tests (40 CFR 63.11646(a)(7)).

8. Determination of Concentrate Throughput (40 CFR 63.11646)
   a. Measure the weight of precious metal concentrate using weigh scales for each batch prior to processing in each of the retorts. The concentrate must be weighed in the same state and condition as it is when fed to each of the retorts. For facilities without mercury retorts (S2.047 – S2.049, S2.056 – S2.059, and S2.228 – S2.230), the concentrate must be weighed prior to being fed to the melt furnace before drying in any ovens. For facilities that ship concentrate off-site, measure the weight of concentrate as shipped off-site. You (Permittee) must keep accurate records of the weights of each batch of concentrate processed and calculate, and record the total weight of concentrate processed each month (40 CFR 63.11646(a)(9)).
   b. Record the weight in tons of concentrate on a daily and monthly basis (40 CFR 63.11646(a)(11)).

9. Operation and Maintenance Requirements (40 CFR 63.11646)
   At all times, you (Permittee) must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source (40 CFR 63.11646(b)).

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VI. Mercury Emission Standards (continued)

A. NESHAP for the Gold Mine Ore Processing and Production Area Source Category – 40 CFR Part 63, Subpart EEEEEEE (40 CFR 63.11640 et. seq.) – Carbon Processes with Retorts (continued)

10. Carbon Adsorber Compliance Monitoring (40 CFR 63.11647(f))
You (Permittee) must monitor each of the process units in **Table VI-1** that uses a carbon adsorber to control mercury emissions (, using the procedures in 10.a. or 10.b. below:
    a. Continuously sample and analyze the exhaust stream from the carbon adsorber for mercury using Method 30B (40 CFR Part 60, Appendix A-8) for a duration of at least the minimum sampling time specified in Method 30B and up to one week that includes the period of the annual performance test.
        (1) Establish an upper operating limit for the process as determined using the mercury concentration measurements from the sorbent trap (Method 30B) as calculated from Equation 2 below (40 CFR 63.11647(f)(1)(i)):

$$OLC = C_{trap} * (EL/CT) \qquad \text{Equation 2}$$

Where, OLC = Mercury concentration operating limit for the carbon adsorber control device on the process as measured using the sorbent trap ($\mu g/m^3$).
C_{trap} = Average mercury concentration measured using the sorbent trap during the week that includes the compliance performance test ($\mu g/m^3$).
EL = Emission standard for the affected sources (lb/ton concentrate)
CT = Compliance test results for the affected source (lb/ton concentrate)

        (2) Sample and analyze the exhaust stream from the carbon adsorber for mercury at least monthly using Method 30B. When the mercury concentration reaches 75 percent of the operating limit, begin weekly sampling and analysis. When the mercury concentration reaches 90 percent of the operating limit, replace the carbon in the carbon adsorber within 30 days. If the mercury concentration exceeds the operating limit, change the carbon in the carbon adsorber within 30 days and report the deviation to the NBAPC (40 CFR 63.11647(f)(1)(ii)).
    b. Conduct an initial sampling of the carbon in the carbon bed for mercury 90 days after the replacement of the carbon. A representative sample must be collected from the inlet of the bed and the exit of the bed and analyzed using SW-846 Method 7471B (see 40 CFR 63.14). The depth to which the sampler is inserted must be recorded. The average carbon loading is calculated from the inlet and outlet measurements. Sampling and analysis of the carbon bed for mercury must be performed quarterly thereafter. When the carbon loading reaches 50 percent of the design capacity of the carbon, monthly sampling must be performed until 90 percent of the carbon loading capacity is reached. The carbon must be removed and replaced with fresh carbon no later than 30 days after reaching 90 percent of capacity. For carbon designs where there may be multiple carbon columns or beds, a representative sample may be collected from the first and last column or bed instead of the inlet or outlet. If the carbon loading exceeds the design capacity of the carbon, change the carbon with within 30 days and report the deviation to the NBAPC (40 CFR 63.11647(f)(2)).

11. Carbon Adsorber Gas Temperature Monitoring 40 CFR 63.11647(g)
You (Permittee) must monitor gas stream temperature at the inlet to the carbon adsorber for each process unit (i.e. carbon kiln, melt furnace, retort, etc) equipped with a carbon adsorber. Establish a maximum value for the inlet temperature either during the annual performance test, according to the manufacturer's specifications, or as approved by the NBAPC. If you choose to establish the temperature operating limit during the performance test, establish the temperature operating limit based on either the highest reading during the test or at 10 ^{O}F higher than the average temperature measured during the performance test. Monitor the inlet temperature once per shift. If an inlet temperature exceeds the temperature operating limit, you must take corrective actions to get the temperature back within the parameter operating limit within 48 hours. If the exceedance persists, within 144 hours of the exceedance, you must sample and analyze the exhaust stream from the carbon adsorber using Method 30B and compare to an operating limit, as determined in A.10.a.(1) of this section, or you must conduct carbon sampling pursuant to A.10.b. of this section. If the concentration measured with Method 30B is below 90 percent of the operating limit or the carbon sampling results are below 90 percent of the carbon loading capacity, you may set a new temperature operating limit 10 ^{O}F above the previous operating limit or at an alternative level approved by the NBAPC. If the concentration is above 90 percent of the operating limit or above 90 percent of the carbon loading capacity you must change the carbon in the bed within 30 days and report the event to the NBAPC, and reestablish an appropriate maximum temperature limit based on approval of the NBAPC.

12. Reestablishing Operating Limits 40 CFR 63.11647(i)
You (Permittee) may conduct additional compliance tests according to the procedures in A.4. of this section and reestablish the operating limits required in A.10. and A.11. of this section at any time. You must submit a request to the NBAPC for approval to reestablish the operating limits. In the request, you must demonstrate that the proposed change to the operating limit detects changes in levels of mercury emission control. An approved change to the operating limit under this paragraph only applies until a new operating limit is established during the next annual compliance test.

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VI. Mercury Emission Standards (continued)

A. NESHAP for the Gold Mine Ore Processing and Production Area Source Category – 40 CFR Part 63, Subpart EEEEEEE (40 CFR 63.11640 et. seq.) – Carbon Processes with Retorts (continued)

13. Notification, Reporting, Recordkeeping (40 CFR 63.11648)
    a. You (Permittee) must submit the Initial Notification required by 40 CFR 63.9(b)(2) no later than 120 calendar days after the date of publication of the final rule in the Federal Register or within 120 days after the source becomes subject to the standard. The Initial Notification must include the information specified in 40 CFR 63.9(b)(2)(i) through (b)(2)(iv). (40 CFR 63.11648(a))
    b. You (Permittee) must submit an initial Notification of Compliance Status as required by 40 CFR 63.9(h). (40 CFR 63.11648(b))
    c. If a deviation occurs during a semiannual reporting period, you (Permittee) must submit a deviation report to the NBAPC according to the requirements below (40 CFR 63.11648(c)):
        (1) The first reporting period covers the period beginning on the compliance date specified in A.2. of this section and ending on June 30 or December 31, whichever date comes first after your compliance date. Each subsequent reporting period covers the semiannual period from January 1 through June 30 or from July 1 through December 31. Your deviation report must be postmarked or delivered no later than July 31 or January 31, whichever date comes first after the end of the semiannual reporting period.
        (2) A deviation report must include the following information: Company Name and Address; Statement by a responsible official, with the official's name, title, and signature, certifying the truth, accuracy and completeness of the content of the report; Date the report and beginning and ending dates of the reporting period; and identification of the affected source, the pollutant being monitored, applicable requirement, description of deviation, and corrective action taken.
    d. If you (Permittee) had a malfunction during the reporting period, the compliance report required in A.13.c. of this section must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with A.9. of this section, including actions taken to correct a malfunction (40 CFR 63.11648(d)).
    e. You (Permittee) must keep records specified below. The form and maintenance of records must be consistent with the requirements in 40 CFR 63.10(b)(1) of the General Provisions (40 CFR 63.11648(e)).
        (1) As required in 40 CFR 63.10(b)(2)(xiv), you (Permittee) must keep a copy of each notification that you submitted to comply with this subpart and all documentation supporting any Initial Notification, Notification of Compliance Status, and semiannual compliance certifications that you submitted.
        (2) You (Permittee) must keep records of all performance tests, measurements, monitoring data, and corrective actions and the information identified in A.13.c.(2) of this section for each corrective action: The date, place, and time of the monitoring event requiring corrective action; Technique or method used for monitoring; Operating conditions during the activity; Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation; and maintenance or corrective action taken (if applicable).
        (3) You (Permittee) must keep records of operating hours for each process, as required in A.7.a. of this section, and records of the monthly quantity of concentrate processed or produced, as required in A.8. of this section.
    f. Records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). As specified in 40 CFR 63.10(b)(1), you (Permittee) must keep each record for 5 years following the date of each recorded action. You must keep each record onsite for at least 2 years after the date of each recorded action according to 40 CFR 63.10(b)(1). You may keep the records offsite for the remaining 3 years (40 CFR 63.11648(f)).
    g. After December 31, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with this subpart, the owner or operator of the affected facility must submit the test date to EPA by entering the data electronically into EPA's WebFIRE data base through EPA's Central Data Exchange. The owner or operator of an affected facility shall enter the test data into EPA's data base using the Electronic Reporting Tool or other compatible electronic spreadsheet. Only performance evaluation data collected using methods compatible with ERT are subject to this requirement to be submitted electronically into EPA's WebFIRE database (40 CFR 63.11648(g)).

14. Reporting NAC 445B.3365
    Permittee shall furnish the Director a written report of the results of the compliance determinations required in A.5. and A.6. of this section. The written report of the compliance determinations should be submitted to the Director within 60 days after completing the performance tests required in A.4. of this section.

*************End of Mercury Emission Standards***************

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VII. Emission Caps

A. N/A

**************End of Emission Caps****************

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section VIII. Surface Area Disturbance Conditions

Surface area disturbance in excess of 20 acres.

A. NAC 445B.22037

Fugitive Dust

1. No person may cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, no person may cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.

B. State Implementation Plan (SIP) Article 7.3

In accordance with SIP Article 7.3, a plan for the control of particulate matter will be submitted within 60 days days of issuance date of this permit. Acceptance of the plan for the control of particulate matter by the Administrator does not limit the permittee's need to control particulate matter, nor from putting into effect the ongoing program using the best practical methods as required in A.1and A.2, of this section.

**************End of Surface Area Disturbance Conditions ***************

Facility ID No. A0002 *Permit No.* AP1041-2971

CLASS I OPERATING PERMIT TO CONSTRUCT

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA as Permittee

Section IX. Amendments

NA

This Permit to construct:

1. **Is non-transferable. (NAC 445B.287)**
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318)**
3. **Will expire if construction is not commenced within 18 months after the date of issuance or if construction of the facility is delayed for 18 months after initiated. (NAC 445B.3366)**
4. **Will expire if a complete application for a Class I operating permit or modification of an existing Class I operating permit is not submitted within 12 months after the initial start-up. (NAC 445B.3366)**
5. **Any party aggrieved by the Department's decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department's action. (NRS 445B.340)**
6. ***The Permittee* shall submit a complete Class I application within 12 months after the notification date of commencement of operation as required in this permit to construct. (NAC 445B.3361)**

Signature _____

Issued by: Jonathan McRae, P.E.
Supervisor, Bureau of Air Pollution Control

Phone: (775) 687-9337 Date: April 17, 2012

CLASS I NON-PERMIT EQUIPMENT LIST

Appended to NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA ***Facility* #A0002 *Permit* #AP1041-2971**

Emission Unit #	Emission Unit Description
N/A	N/A

Note*: *The equipments listed on this attachment are subject to all applicable requirements of the NAC and ASIP.